

# M 6.1, 135 km S of Punta de Burica, Panama

Origin Time: 2021-07-17 20:56:10 UTC (Sat 14:56:10 local)  
Location: 6.8258° N 82.6774° W Depth: 4.1 km

Created: 1 week, 3 days after earthquake

## Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



## Estimated Economic Losses

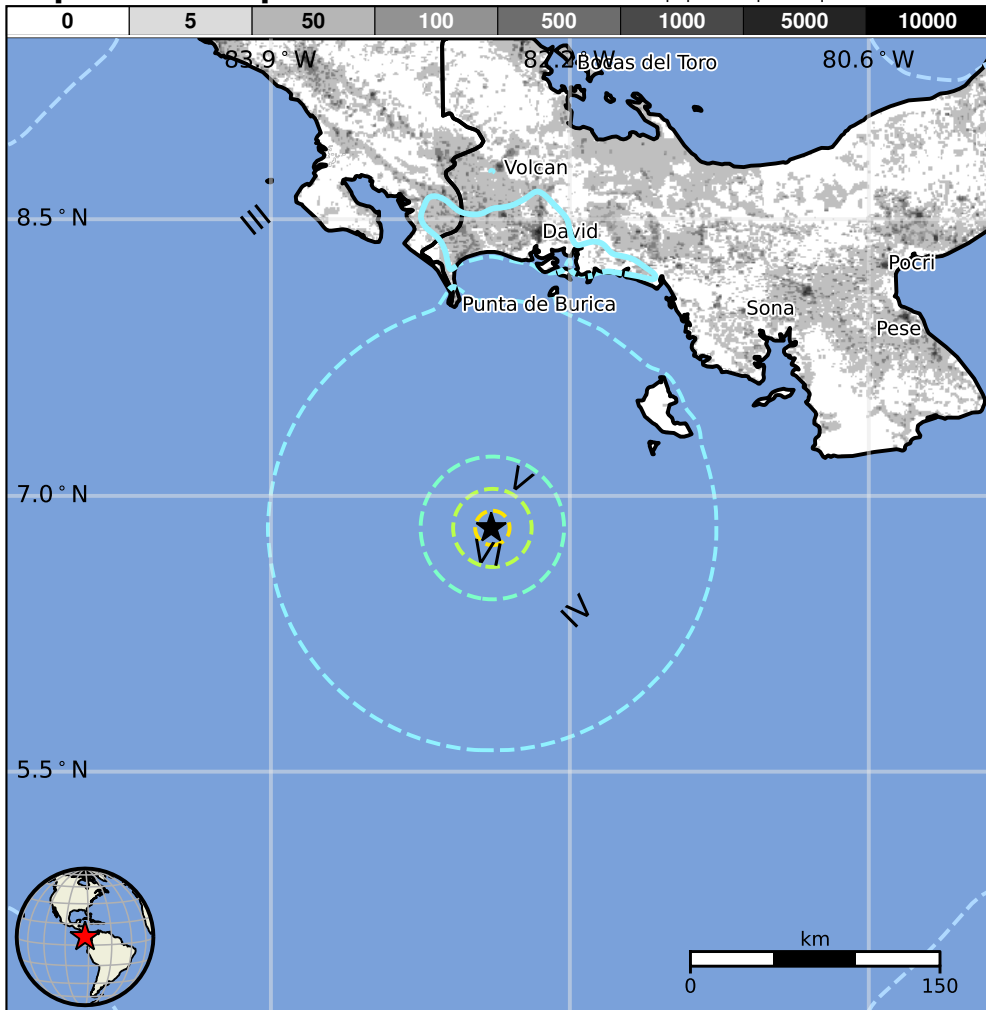


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,518k*	420k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



## Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1993-07-10	348	5.8	VII(45k)	1
1990-12-22	390	5.9	VIII(188k)	1
1991-04-22	319	7.6	VII(213k)	75

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Palo Grande	<1k
IV	Querevalo	<1k
IV	Pedregal	16k
IV	Guarumal	2k
IV	La Esperanza	2k
IV	Finca Corredor	1k
IV	<b>David</b>	<b>83k</b>
III	Santiago de Veraguas	45k
III	Chitre	44k
III	<b>Bocas del Toro</b>	<b>13k</b>
III	Penonome	12k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000emzy#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000emzy